

# PRODUCT INFORMATION

## Detmol-mic

### Use

Control of crawling and flying insects such as cockroaches, ants, bed bugs, red poultry mites, litter beetles, flies, mosquitoes, moths, wasps etc. For spraying and fogging indoors. For application in private, commercial and industrial sectors in warehouses, animal shelters, industrial plants, homes, public buildings and spaces including food handling, storage areas, hospitals and in the immediate vicinity of buildings. Detmol-mic can be used in agricultural premises, stables, chickens and poultry farming, livestock's, farm outbuildings and dairies. Detmol-mic can be used in occupied stables as surface spray.

For professional use.

### Type

Mixed formulation of capsule suspension and emulsion (EW) – concentrate for water dilution.

### Active ingredients

1R-trans-phenothrin 100 g/l (= 10 %) + prallethrin 10 g/l (= 1 %).

### Mode of action

Detmol-mic is effective by contact with spray deposit and also as a stomach poison by ingestion of the microcapsules when preening itself. Rapid knockdown and residual effect of 12 weeks on porous and smooth surfaces.

### Special features

- Outstanding effect on smooth and porous surfaces.
- Wide range of action.
- Unobtrusive. Odourless, due to water-based formulation.
- No staining.
- Also suitable for use in sensitive areas.
- Flexible for different methods of control.

### Dosage

Spray application: 50 ml in 5 l water for 100 m<sup>2</sup>.

Cold fogging treatment:

75 ml in 5 l water for 500 m<sup>3</sup>.

Hot fogging treatment:

75 ml in 5 l water for 500 m<sup>3</sup>.

The long lasting residual effect is depending on the kind of surface and on the environmental condition. Repeat treatment, if necessary.

### Direction of use

Shake Detmol-mic well before use. To dilute, mix the preparation quantity required with a partial volume of water and then add the remaining water. Agitate well or shake in order to prevent lumps from blocking the nozzles. Shake spray equipment every 15 minutes to prevent microcapsules from settling.

Do not store spray solution but use as soon as possible. Clean the spray equipment with clear water after treatment. Do not mix Detmol-mic with other products (biocides or disinfectants).

Spray application: The product should not run off from the treated surfaces.

Apply an even layer to surfaces. Pay special attention to cracks and crevice where insects harbourage. Detmol-mic can be applied to hard porous, soft porous and non-porous surfaces. The product is not for use on clothing or bedding or in cots where infants sleep. Hold sprayer nozzle approximately 30 cm from surface to be treated. The product should not run off from vertical surfaces.

Suitable application equipment is the Spray-BOSS of "808" or similar pressure sprayers – pressure up to max. 2 bar.

#### Crack and crevice application:

Adjust sprayer nozzle to deliver a pin stream. Place nozzle tip into cracks, crevices, holes and other small openings.

#### *Domestic areas (flying and crawling insects):*

In domestic premises as well as in continuously occupied areas such as hospitals, residential/nursing homes and prisons and areas where humans and pets can come in contact with the spray, apply the product as spot or crack and crevice treatment only.

Close all doors and windows prior to use. Keep the treated areas closed for at least 30 minutes until the spray mist has completely dried. Well ventilate treated areas.

#### *Wasp's nests:*

Apply liberally and directly to the nest or to entrance holes of concealed nests until the nest is saturated. Treatments should only be carried out at dusk or other times when wasp activity is minimal.

Apply the product with suitable spray equipment. Remove the nest after treatment

#### *Ants (nest treatment):*

Ants are taking up many microcapsules and carrying them to the nest where the microcapsules start to release the active ingredient to control ants, the pupae, the queen and the nest. Treat an area of 1 m<sup>2</sup> around the nest entry and a band of 10 cm on the foraging paths of the ants to the nest.

#### *Bed bugs:*

Apply in preferred insects's locations such as:

- under and on the corners of the mattress
- on the bed base
- under the bed
- under the night tables
- on cracks and crevices that can be a harbourage for bedbugs around the bed.

#### *Cockroaches:*

Cockroaches prefer dark hiding places near water and food. Modern building techniques create a variety of ideal biotopes in built-in furniture, insulation panels, insulation material, suspended ceilings, panels, installation shafts etc. Central heating systems, baths, dishwashers, cooling units, driers, ovens, boilers etc. provide the necessary warmth.

Agricultural premises, stables, sheds, pigs, cattle, horse, chickens and poultry farming, livestock's, farm outbuildings and dairies:

Do not apply directly to animals. According to good agricultural practise, it is recommended to remove eggs (food) before spraying. Clean surfaces prior to application. The surfaces should be dry before applying the product. Apply the product as a fine mist with medium pressure; treat surfaces thoroughly but not until runoff. Pay particular attention to cracks, crevices and places where insects harbourage.

#### Barrier application:

Create a continuous band of 20 to 30 cm to form an effective barrier. Spray around doors windows and openings, taking particular attention to migration paths and areas where insects usually hide and harbourage.

Do not allow the product to get washed to the environment or drains. Do not contaminate water bodies or watercourses. Do not apply the product at heavy wind or rain.

#### Indoor – cold and hot fogging:

Apply through thermal fogging equipment (IGEBA or similar) or cold fogger equipment (turbo-sprayer, Unipro 5).

Close windows, doors and other openings prior to use. Switch off all ventilation and air-condition systems and air-conditions as well as fire detectors.

For flying insect pests, it is sufficient to distribute the fog evenly in the room. For crawling pests, targeted fogging of all affected, suspicious or vulnerable areas increases the probability of success. Uncover the affected areas before application so that the fog can freely penetrate.

In large rooms, pay attention to fog distribution; that is, withdraw towards the exit during fogging. After the application, ventilate the treated rooms for at least 4 hours. Before entering the room, the spray should be dried completely.

#### **Safety measures**

Harmful if inhaled. Very toxic to aquatic life with long lasting effects. Avoid inhalation of vapour/aerosol. For application outdoor or in well ventilated rooms only. Dispose contents/ container according to the local and national regulations. Wear suitable protective gloves and clothing during application. Put on breathing apparatus with filter A1 – P3 (40 ASt). Do not eat, drink or smoke when working. Do not empty into drains.

All persons except the user must leave the room. Remove all food and feed not packed safely, livestock and pets as well as toys, open dishes and other consumer goods prior to application. Safely cover aquariums and terrariums (turn off ventilation). Safely cover cooking appliances, worktops and other surfaces where food is stored, prepared or consumed as well as clothing, seating furniture and other surfaces with frequent skin contact or wash or clean with an alkaline detergent or cleaning agent prior to use.

Official recommendation for pyrethroids:

On contact with the skin (in particular the face), the product can cause burning or tingling without visible external irritations. The appearance of this effect is to be seen as a warning. Avoid any further exposure. Consult a doctor if symptoms do not disappear or others occur.

Store packaging tightly closed in a cool, dry and frost-free place. Do not allow product and its residues to enter waters. Packaging may not be reused.

#### **Disposal**

Dispose of accruing product residues and packaging with residual contents in accordance with the national regulations.

#### **Packaging**

Plastik u-turn container containing 500 ml.

